

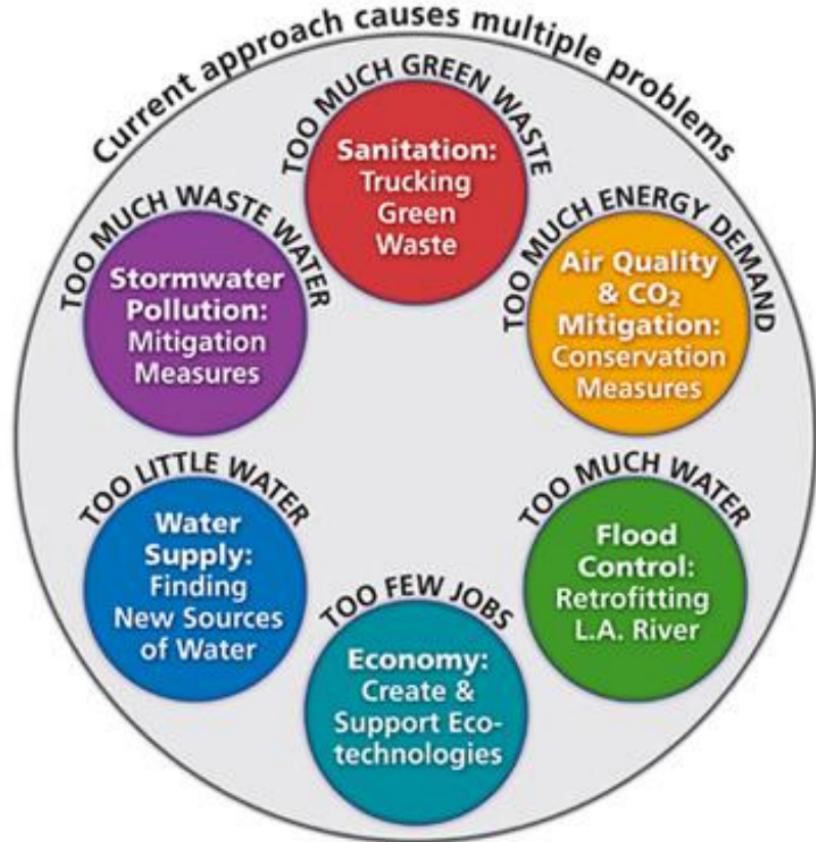


TETRA TECH



Green Infrastructure: It's Place in the New Paradigm for Water

***Trevor Clements, Water Resources Director
Research Triangle Park, North Carolina
USA***



Dis-integrated approach wastes resources, duplicates efforts and imposes unsustainable practices.

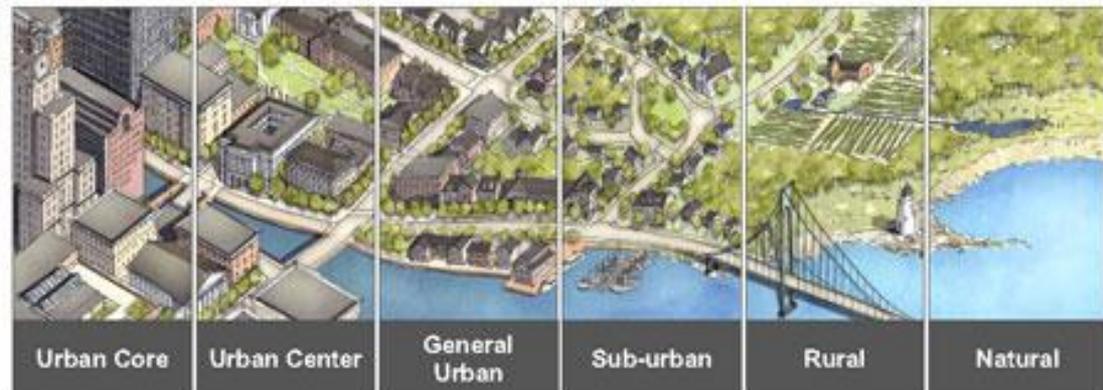
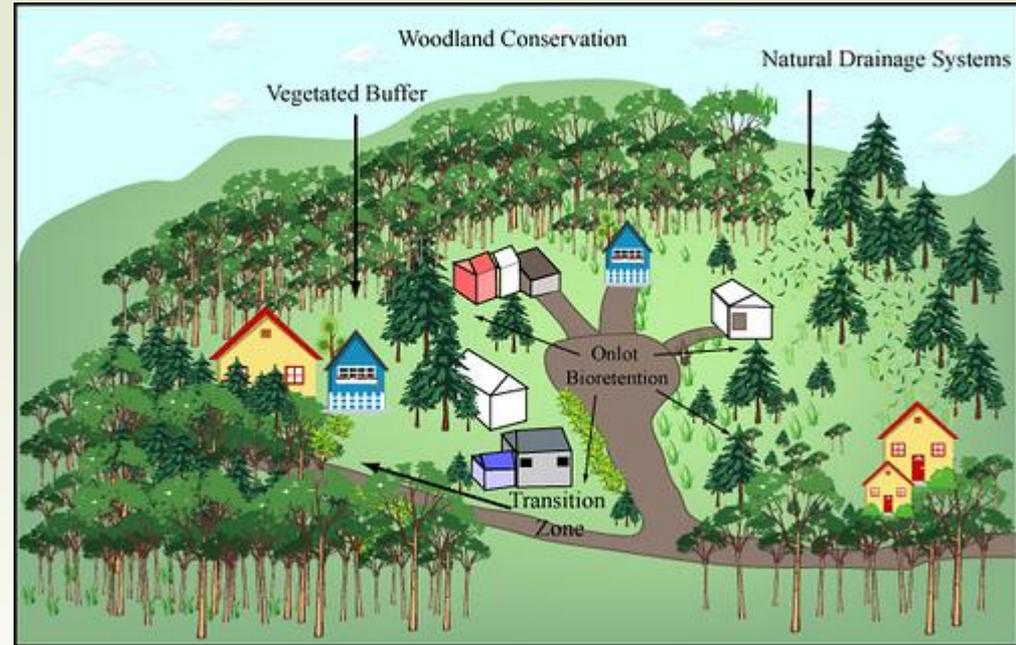


Integrated approach also creates jobs and liberates funds for emerging green technologies.

The Role of Green Infrastructure



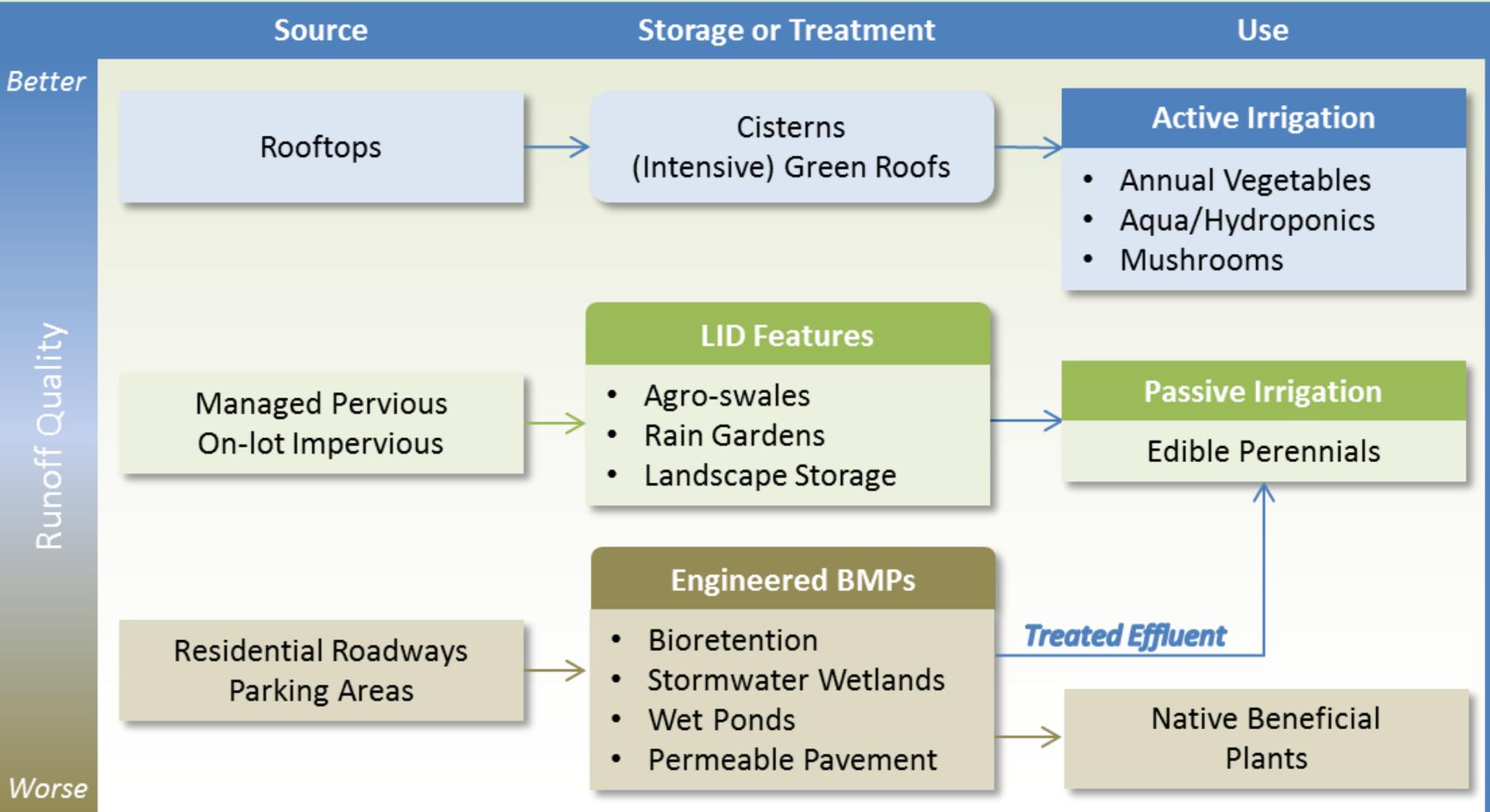
- Values hydrologic cycle
- Reflects multiple objectives
- Part of asset mgmt solution
- Smart, clean and green
- Integrated water approach
- Effective at multiple scales
- Adaptable



U.S. Examples – Urban: Green Streetscapes (Neighborhood Scale)



U.S. Examples – Urban Agriculture



U.S. Examples – Suburban LID with Engineered BMPs (Neighborhood Scale)



- Raingardens
- Grass swales
- On-lot retention
- Rainbarrels
- Narrow sidewalks
- Narrow streets
- ...



Philadelphia Hypothesis on Investments in Green Stormwater Infrastructure

Investments in distributed green infrastructure to manage stormwater will:

- Augment a city's overall resilience to urban pollution and climate change
- Advance livability and public health,
- Increase market attractiveness,
- Reduce pollutant contributions,
- Create local, green economy jobs and
- Recharge water supplies
- Maintain and upgrade the infrastructure network
- Advance City-wide sustainability programs
- Transform river and stream corridors
- Preserve and restore aquatic habitat
- Maximize return on every dollar spent

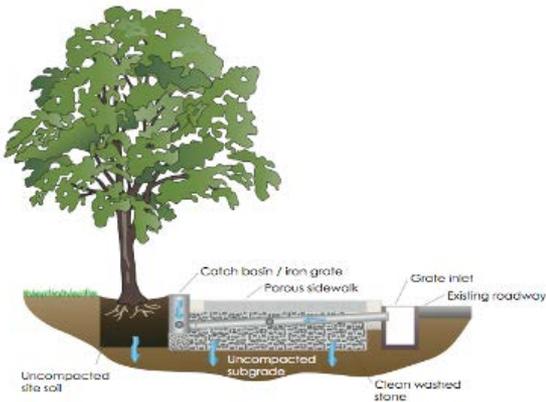


“Instead of investing in one project that treats one concern, **green infrastructure allows us to protect the health of our waters, save money and make our communities more attractive places to buy homes and build businesses.**”

“**We want to use the win-win strategies we see here [Big Green Block, Philadelphia] and other projects throughout the city to make every community healthier, more prosperous and more sustainable.**”

Lisa Jackson, Environmental Protection Agency Administrator

Green Streets



Design



Public Outreach and Participation





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